- 1. A prioritization apparatus for data in a communication channel, comprising:
 - a prioritization module configured to define a plurality of prioritization levels;

a communication module configured to process tasks over a plurality of communication channels;

an upgrade module configured to upgrade the prioritization level of unsuccessful tasks; and

a task controller configured to maintain system resources on a failed target channel while resubmitting an unsuccessful task to a different channel.

- 2. The prioritization apparatus of claim 1, wherein the task controller is further configured to communicate with a status module, the status module configured to indicate system resource usage of a target device operatively coupled to the channel.
- 3. The prioritization apparatus of claim 2, wherein the target device further comprises a computer readable storage device.
- 4. The prioritization apparatus of claim 1, wherein the task controller further comprises a load module configured to distribute tasks across the plurality of communication channels according to a load balancing scheme.
- 5. The prioritization apparatus of claim 4, wherein the load balancing scheme dedicates a majority of system resources to tasks with a high priority, and a minority of system resources to tasks with a lower priority.

- 6. The prioritization apparatus of claim 1, wherein the task controller further comprises a plurality of counters for each of the plurality of channels, the counters configured to track system resource usage of the plurality of channels.
 - 7. A device controller apparatus, comprising:

 a status module configured to track system resources of a device; and
 a task processing module configured to receive tasks with upgraded
 prioritization levels.
- 8. The device controller apparatus of claim 7, wherein the task processing module is further configured to receive tasks of different priorities according to a predefined prioritization scheme.
- 9. The device controller apparatus of claim 7, further comprising a queue of tasks to be processed.
- 10. The device controller apparatus of claim 7, wherein the task processing module is further configured to place tasks with upgraded prioritization levels at the beginning of the queue for processing.
- 11. The device controller apparatus of claim 7, wherein the task processing module is configured to maintain system resources on a failed channel while the task is resubmitted to a different channel.
- 12. The device controller apparatus of claim 7, wherein the task processing module is configured to release system resources after the failed task is successfully completed on a different channel.

- 13. The apparatus of claim 7, further comprising a computer readable storage device coupled to the apparatus and configured to process read/write tasks received from the task controllers.
- 14. The apparatus of claim 13, wherein the computer readable storage device is configured to process input/output tasks from the plurality of task controllers.
 - 15. A system for task prioritization, the system comprising:

a data communications network comprising a plurality of communication channels;

a target device coupled to the network, the target device configured to receive tasks over the network, the target device comprising a status module configured to track system resources;

a server coupled to the network, the server configured to receive read/write tasks from a client device and transfer the task to the target device;

a task controller coupled to the server and configured to maintain system resources on a failed target channel while resubmitting the unsuccessful task to a different channel; and

an upgrade module operatively coupled to the server, the upgrade module configured to upgrade the prioritization level of an unsuccessful task and communicate the unsuccessful task from to a different channel.

16. The system of claim 15, further comprising a prioritization module coupled to the server and configured to define a plurality of prioritization levels.

- 17. The system of claim 15, wherein the task controller further comprises a counter that is updateable and configured to indicate system resource usage of the target device.
- 18. The system of claim 15, wherein the prioritization module is configured to allocate a majority of system resources to a task with a higher priority and a minority of system resources to a task with a lower priority.
- 19. A method for maintaining task prioritization and load balancing, the method comprising:

selecting a communication channel, processing a task over the selected communication channel, and updating a counter according to utilized system resources;

upgrading a prioritization level of an unsuccessful task and communicating the unsuccessful task to a different channel; and

maintaining system resources on a failed target channel while resubmitting an unsuccessful task to a different channel.

- 20. The method of claim 19, wherein selecting a communication channel comprises distributing tasks across the plurality of communication channels according to a load balancing scheme.
- 21. The method of claim 19, further comprising incrementing a counter prior to processing the task.
- 22. The method of claim 19, further comprising incrementing a second counter on a second channel when processing a failed task on the second channel.

- 23. The method of claim 19, further comprising incrementing and decrementing counters on subsequent failed channels.
- 24. The method of claim 23, further comprising decrementing the counter after the task successfully completes on a different channel.
- 25. A computer readable storage medium comprising computer readable code configured to carry out a process for maintaining task prioritization and load balancing, the process comprising:

selecting a communication channel, processing a task over the selected communication channel, and updating a counter according to utilized system resources;

upgrading a prioritization level of an unsuccessful task and communicating the unsuccessful task to a different channel; and

maintaining system resources on a failed target channel while resubmitting an unsuccessful task to a different channel.

- 26. The process of claim 25, wherein selecting a communication channel comprises distributing tasks across the plurality of communication channels according to a load balancing scheme.
- 27. The process of claim 25, further comprising incrementing a counter prior to processing the task.

- 28. The process of claim 25, further comprising incrementing and decrementing counters on subsequent failed channels.
- 29. The process of claim 25, further comprising decrementing a counter after the task successfully completes on a different channel.
 - 30. A prioritization apparatus for data in a communication channel, comprising:

 means for defining a plurality of prioritization levels;

means for upgrading the prioritization level of an unsuccessful task and communicate the unsuccessful task to a different channel;

means for selecting a communication channel, processing a task over the selected communication channel, and updating a counter according to utilized system resources;

means for transmitting and receiving tasks over the plurality of communication channels; and

means for distributing tasks across the plurality of communication channels according to a load balancing scheme.